

CLAIMS

I claim:

1 1. A protective coverall garment for an electrical utility
2 worker, comprising:

3 a central body portion adapted for covering a torso of the
4 worker from neck to crotch;

5 a pair of sleeves extending from the central body portion
6 adapted for covering arms of the worker from shoulder to wrist;
7 and

8 a pair of pant legs extending from the central body portion
9 adapted for covering legs of the worker from hip to ankle;

10 wherein the garment has a front half, the front half being
11 made from at least one layer of fire-retardant fabric, and a rear
12 half joined to the front half to form the coverall, the rear half
13 being made from inner and outer layers of fire-retardant fabric
14 and an electrical insulating layer disposed between the inner and
15 outer layers in each of the central body portion, the sleeves,
16 and the pant legs.

1 2. The protective coveralls according to claim 1, wherein
2 said electrical insulating layer comprises natural rubber.

1 3. The protective coveralls according to claim 1, wherein
2 said electrical insulating layer comprises synthetic rubber.

1 4. The protective coveralls according to claim 1, wherein
2 said electrical insulating layer comprises a composite material
3 containing rubber.

1 5. The protective coveralls according to claim 1, wherein
2 said electrical insulating layer has electrical insulating
3 properties capable of withstanding an electrical arc of up to 600
4 volts.

1 6. The protective coveralls according to claim 1, wherein
2 said sleeves each comprise an elbow region, said sleeves having
3 concentric circles of stitching attaching the electrical
4 insulating layer to said inner and outer layers for flexibility
5 when bending the elbow.

1 7. The protective coveralls according to claim 1, wherein
2 said pant legs each comprise a knee region, said pant legs having
3 concentric circles of stitching attaching the electrical
4 insulating layer to said inner and outer layers for flexibility
5 when bending the knee.

1 8. The protective coveralls according to claim 1, wherein
2 said front half is made from a material consisting of two layers
3 of fire-retardant fabric joined together.

1 9. The protective coveralls according to claim 1, further
2 comprising a zipper assembly disposed in the front half of said
3 central body portion.